BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : CONSTRUCTION OF DRAINS AT DHARMARAYA SWAMY TEMPLE ROAD & SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB-DIVISION

								Estimate Cost Rs.	10.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)									
	Dharmaraya Temple Road	Cum								
	for drain		1	111.00	0.90	1.20	119.88			
							119.88	200.34	**24017.00**	
	Basic Rate	189.00								
	Area Weightage @ 6%	11.34								
	Total	200.34								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
			Qty Vide Item No.1				**119.88**	100.00	**11988.00**	
	Average Weight of Earth 1.28									
	Basic Rate Lead Charges for	32.00								
	Add loading and unloading Item	68.00								
	Total	**100.00**								
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No KBS 4.1, 4.2 (P.12/I.4.3)									
		Cum								
	for drain		1	111.00	0.90	0.15	14.99			
							14.99	5159.02	**77308.00**	
	Basic Rate	4867.00								
	Area Weightage @ 6%	292.02								
	Total	**5159.02**								
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT Bars Fe 500 P.17/It No.4.46.2									
		tonne	No.of Bars	Width/Lengt	Rmtr	Kg/Rmtr	Total in Kg			
	12mm dia main bar spacing at 150mm c/c	1	740	2.10	1554.00	0.888	1379.95			
	10mm dia dist bar spacing at 150mm c/c	1	14	111.00	1554.00	0.617	958.82			
						in Kg	2338.77			
						in Qtl	23.3877			
						In tonne	**2.3388**	59413.00	**138953.00**	
	Basic Rate	56050.00								
	Area Weightage @ 6%	3363.00								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amoun
	Total	**59413.00**							
	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications Specification No KBS 4.6.21 (P.15 / I.4.31)								
		Sqm							
			2x2	111.00		0.60	266.40		
							266.40	310.58	82739.00
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
6	Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.69cum ,and fine aggregated @ 0.46cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications specifications No.KBS 4.1,4.6 (P.No.13/ I.No.4.11)								
		Cum							
	for drain wall		2	111.00	0.15	0.60	19.98		
	bed		1	111.00	0.90	0.15	14.99		
							34.97	6371.66	222785.00
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
7	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
		Sqm							
	for Drain covering slab		1	111.00	0.90		99.90		
							99.90	4402.79	439839.00
	Data Rate	4402.79							
8	Miscellaneous and unforeseen charges	LS							2371.00
								Grand Total Amount	**1000000.00**

(RupeesTen Lakhs Only)

Administrative Sanction for Rs. 10.00 lakhs
Ten Lakhs Only
is accorded under head P.1771 - 2016-17

Registered as CE No ..... Subject
to conditions contained in enclosed memo No. EE/FS/35/16-17 Dt. 16.2.17

Executive Engineer

TECHNICALLY SANCTIONED Rs. 10.00 Lakhs
Ten Lakhs Only
P.1771 - 2016-17

Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. EE/FS/42/16-17 Dated 16.2.17
Technically Sanctioned Rs. 10.00 Lakhs

Executive Engineer

CERTIFICATE

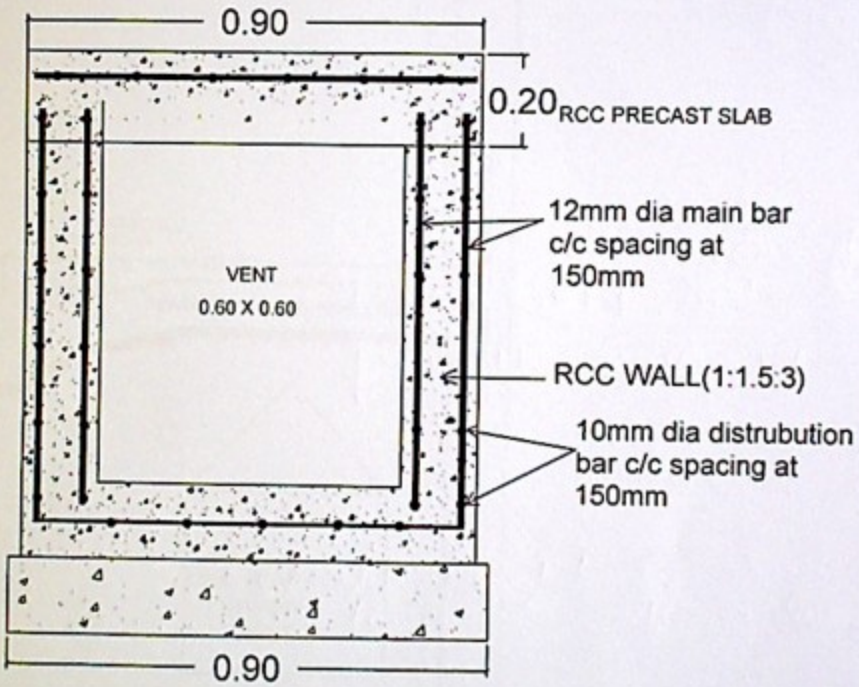
1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.01

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

NAME OF WORK :CONSTRUCTION OF DRAINS AT DHARMARAYA SWAMY TEMPLE ROAD & SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB-DIVISION



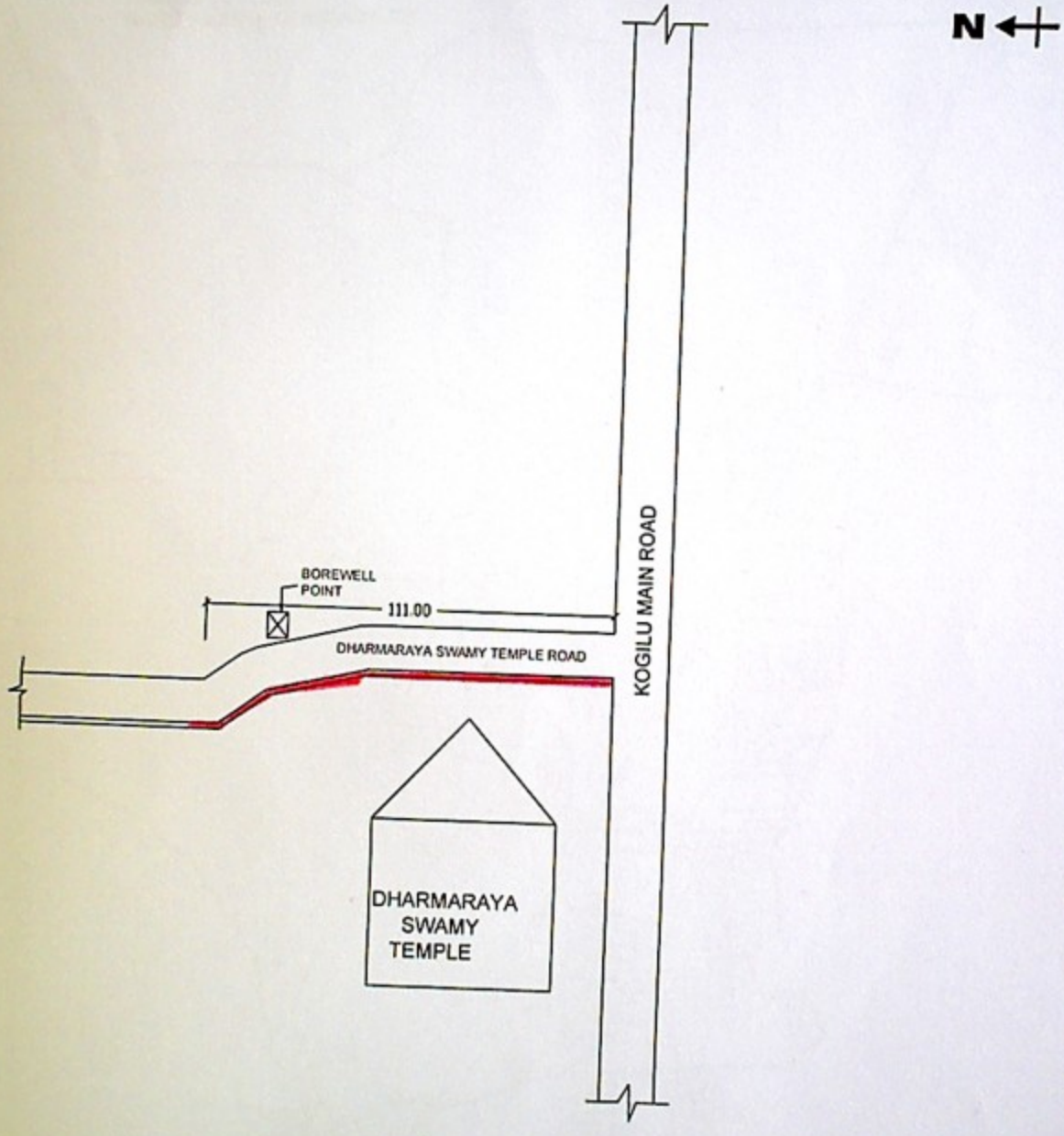
CROSS SECTION OF DRAIN

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪ ವಿಭಾಗ, ಬಿ.ಬಿ.ಎಂ.ಪಿ

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

NAME OF WORK: CONSTRUCTION OF DRAINS AT DHARMARAYA SWAMY TEMPLE ROAD & SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



INDEX

– CC DRAIN

Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P